

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: September 10, 1999, 10:16:39 ; Search time 44.79 Seconds
(without alignments)
51.170 Million cell updates/sec

Title: US-09-056-153-2

Perfect score: 25

Sequence: 1 agtgaacagcaagactcaag 25

Scoring table: IDENTITY_NUC

Searched: 176461 seqs, 45838279 residues

Database : Issued_Patents_NA.*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/5C_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/5D_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PTUS9_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	17	58.0	2696	1	US-07-961-522-1
C 2	17	58.0	2696	1	US-08-217-438-1
C 3	17	58.0	2696	3	US-08-321-978-1
C 4	17	58.0	2696	4	US-08-710-584-1
C 5	16.2	64.8	1854	5	PCT-US94-01101-1
C 6	15.6	62.4	7001	1	US-08-258-261B-1
C 7	15.6	62.4	7001	2	US-08-456-837-1
C 8	15.6	62.4	7001	2	US-08-457-342-1
C 9	15.6	62.4	7001	2	US-08-457-646A-1
C 10	15.6	62.4	7001	2	US-08-458-076A-1
C 11	15.6	62.4	7001	2	US-08-457-335A-1
C 12	15.6	62.4	7001	3	US-08-761-258-6
C 13	15.6	62.4	1666	3	US-08-848-932-1
C 14	15.6	62.4	7001	3	US-08-729-214-1
C 15	15.6	62.4	1666	4	US-09-008-180-1
C 16	15.6	62.4	24979	5	PCT-US93-03985-3
C 17	15.4	61.6	2499	1	US-08-105-483-310
C 18	15.4	61.6	3674	1	US-08-105-483-324
C 19	15.4	61.6	757	1	US-08-126-587C-6
C 20	15.4	61.6	7745	1	US-08-299-675-1
C 21	15.4	61.6	7745	2	US-08-485-241-1
C 22	15.4	61.6	10366	2	US-08-246-982A-5
C 23	15.4	61.6	10366	2	US-08-453-265-5
C 24	15.4	61.6	1853	2	US-08-553-110-2
C 25	15.4	61.6	2499	3	US-08-709-209-310
C 26	15.4	61.6	3674	3	US-08-709-209-324
C 27	15.4	61.6	2499	3	US-08-458-101-310
C 28	15.4	61.6	3674	3	US-08-458-101-324
C 29	15.4	61.6	2173	3	US-08-795-788-1
C 30	15.4	61.6	10348	4	US-08-457-273B-41
C 31	15.4	61.6	7745	4	US-08-874-162-1
C 32	15.4	61.6	246240	4	US-08-724-394A-20
C 33	15.4	61.6	246240	4	US-08-724-394A-20
C 34	15.4	61.6	246240	4	US-08-724-394A-21
C 35	15.4	61.6	246240	4	US-08-724-394A-21
C 36	15.4	61.6	246240	4	US-08-724-394A-22
C 37	15.4	61.6	246240	4	US-08-724-394A-22

38 15.4 61.6 2173 5 PCT-US93-03942-1
39 15.2 60.8 499 1 US-07-935-311A-1
40 15.2 60.8 1830 1 US-08-105-483-371
41 15.2 60.8 499 1 US-08-368-079-1
42 15.2 60.8 1830 3 US-08-709-209-371
43 15.2 60.8 1830 3 US-08-458-101-371
44 15.2 60.8 499 5 PCT-US93-07996-1
c 45 15 60.0 570 5 PCT-US93-07289-13

ALIGNMENTS

RESULT 1
US-07-961-522-1/c
; Sequence 1, Application US/07961522
; Patent No. 5417971
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
; TITLE OF INVENTION: PLEUROPNEUMONIAE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERTA L. ROBINS
; STREET: 635 BRYANT STREET
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/961.522
; FILING DATE: 19921015
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9000-0015.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
US-07-961-522-1

Query Match 68.0%; Score 17; DB 1; Length 2696;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 agtgaacagcaagactcaag 25
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Db 2616 AGTGAATCACAAGACTCAAG 2592

RESULT 2
US-08-217-438-1/c
; Sequence 1, Application US/08217438

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; Patent No. 5521072
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILLSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: ACTINOBACILLUS PLEUROPNEUMONIAE
; TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 635 BRYANT STREET
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/217,438
; FILING DATE: 22-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9001-0015.01
; TELEPHONE: 415-617-8999
; TELEFAX: 415-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
; US-08-217-438-1

Query Match 68.0%; Score 17; DB 1; Length 2696;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 agttgaacagcaagagactcaaaag 25
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Db 2616 AGTGTAATCACAGAGACTCAAG 2592

RESULT 3
US-08-321-978-1/c
; Sequence 1, Application US/08321978
; Patent No. 5801018
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILLSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
; TITLE OF INVENTION: PLEUROPNEUMONIAE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERTA L. ROBINS
; STREET: 285 HAMILTON AVE., SUITE 200
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,584
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/321,978
; FILING DATE: 12-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9001-0015.02
; US-08-321-978-1

Query Match 68.0%; Score 17; DB 3; Length 2696;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 agttgaacagcaagagactcaaaag 25
   ||| ||| ||||| ||||| |||||
Db 2616 AGTGTAATCACAGAGACTCAAG 2592

RESULT 4
US-08-710-584-1/c
; Sequence 1, Application US/08710584
; Patent No. 5876725
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILLSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
; TITLE OF INVENTION: PLEUROPNEUMONIAE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERTA L. ROBINS
; STREET: 285 HAMILTON AVE., SUITE 200
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,584
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/321,978
; FILING DATE: 12-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9001-0015.02
; US-08-710-584-1
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:
:
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 327-3400
: TELEFAX: (415) 327-3231
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2696 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 333..1973
: US-08-710-584-1

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Query Match 68.0%; Score 17; DB 4; Length 2696;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 5; Indels

Qy 1 agtgaaacagcaagagactcaaaag 25
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 Db 2616 AGTGTAATCACAGAGACTCAAAG 2592

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RESULT      5
PCr-US94-01101-1/c
; Sequence 1, Application PC/TUS9401101
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
; TITLE OF INVENTION: FACTOR: INTERLEUKIN-14

```

ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.

CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01101
FILING DATE: FILED HERewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/005,156
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.

REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: B0819/7000WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441

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; INFORMATION FOR SEQ ID NO: 1:
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; SEQUENCE CHARACTERISTICS:
;     LENGTH: 1854 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
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; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:

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; ORGANISM: HOMO SAPIENS
; CELL TYPE: LYMPHOMA
PCT-US94-01101-1

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Query Match 64.8%; Score 16.2; DB 5; Length 1854;
Best Local Similarity 85.7%; Pred. NO. 50;
Matches 18; Conservative 0; Mismatches 3; Indels 0

Qy 2 gttgaacagcaagagactca 22
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Db 1296 GATGAAGCAGCAAGAGACCCA 1276

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RESULT      6
US-08-258-261B-1/C
? Sequence 1, Application US/08258261B
? Patent No. 5639949
? GENERAL INFORMATION:
? APPLICANT: Schupp, Thomas
? APPLICANT: Ligon, James M.
? APPLICANT: Beck, James Joseph
? APPLICANT: Hill, Dwight Steven
? APPLICANT: Ryals, John Andrew
? APPLICANT: Gaffney, Thomas Deane
? APPLICANT: Lam, Stephen Ring
? APPLICANT: Hammer, Phillip E.
? APPLICANT: Uknes, Scott Joseph
? TITLE OF INVENTION: Genes for the synthesis of
? antipathogenic substances
? NUMBER OF SEQUENCES: 22
? CORRESPONDENCE ADDRESS:
?

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ADDRESSEE: Ciba-Geigy Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10532

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/258,261B
FILING DATE: 08-JUN-1994

PRIOR APPLICATION DATA: US 08/457,205
APPLICATION NUMBER: 01-JUN-1995
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8614
TELEFAX: 919-541-9689
INFORMATION FOR SEQ ID NO: 1:

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% INFORMATION FOR SEQ ID NO: 1
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% SEQUENCE CHARACTERISTICS:
%     LENGTH: 7001 base pairs
%     TYPE: nucleic acid
%     STRANDEDNESS: single
%     TOPOLOGY: linear
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% MOLECULE TYPE: DNA (genomic)
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% HYPOTHETICAL: NO
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% ANTI-SENSE: NO
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% FEATURE:
%
%     NAME/KEY: CDS
%     LOCATION: 423..2036
%     OTHER INFORMATION: /label=
%
%     OTHER INFORMATION: /note=
%
%     FEATURE:
%     NAME/KEY: CDS

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OTHER INFORMATION: /label= ORF1
OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"

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; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames"
; OTHER INFORMATION:
; OTHER INFORMATION:
; OTHER INFORMATION: transcribed as a single message, as described in Examples 10
; OTHER INFORMATION: 12 of the specification."
US-08-258-261B-1
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Query Match 62.4%; Score 15.6; DB 1; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 1 agttgaacacagcagagactca 22
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Db 6160 AGTTGCAACAGCCAGATAGTCA 6139
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RESULT 7
US-08-456-837-1/C
; Sequence 1, Application US/08456837
; Patent No. 5643774
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James M.
; APPLICANT: Beck, James Joseph
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Gaffney, Thomas Deane
; APPLICANT: Lam, Stephen Ting
; APPLICANT: Hammer, Phillip E.
; APPLICANT: Uknes, Scott Joseph
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/456,837
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/457,205
; FILING DATE: 01-JUN-1995
; APPLICATION NUMBER: 08/258,261
; FILING DATE: 08-Jun-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
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; REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8614
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 423..2036
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames"
; OTHER INFORMATION:
; OTHER INFORMATION: transcribed as a single message, as described in Examples
; OTHER INFORMATION: 12 of the specification."
US-08-456-837-1
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Query Match 62.4%; Score 15.6; DB 2; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 1 agttgaacacagcagagactca 22
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Db 6160 AGTTGCAACAGCCAGATAGTCA 6139
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RESULT 8
US-08-457-342-1/C
; Sequence 1, Application US/08457342
; Patent No. 5662898
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James M.
; APPLICANT: Beck, James Joseph
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Gaffney, Thomas Deane
; APPLICANT: Lam, Stephen Ting
; APPLICANT: Hammer, Phillip E.
; APPLICANT: Uknes, Scott Joseph
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
```

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; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,342
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/457,205
; FILING DATE: 01-JUN-1995
; APPLICATION NUMBER: 08/258,261
; FILING DATE: 08-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8614
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 423..2036
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames"
; OTHER INFORMATION:
; OTHER INFORMATION: transcribed as a single message, as described in Examples 10
; OTHER INFORMATION: 12 of the specification."
US-08-457-342-1

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Query Match 62.4% Score 15.6; DB 2; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaacagcaagactca 22
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Db 6160 AGTTGCACACCCAGATGCA 6139

RESULT 9

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US-08-457-646A-1/C
; Sequence 1, Application US/08457646A
; Patent No. 5679560
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James M.
; APPLICANT: Beck, James Joseph
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Gaffney, Thomas Deane
; APPLICANT: Lam, Stephen Ting
; APPLICANT: Hammer, Phillip E.
; APPLICANT: Uknes, Scott Joseph
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,646A
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/457,205
; FILING DATE: 01-JUN-1995
; APPLICATION NUMBER: 08/258,261
; FILING DATE: 08-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8614
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 423..2036
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; OTHER INFORMATION: transcribed as a single message, as described in Examples 10
; OTHER INFORMATION: 12 of the specification."
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; US-08-457-646A-1
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; Query Match 62.4%; Score 15.6; DB 2; Length 7001;
; Best Local Similarity 81.8%; Pred. No. 1.1e+02;
; Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
; Qy 1 agtggaaacagcaagagactca 22
; ||||| ||||| ||||| |||||
;
; Db 6160 AGTGTCAACAGCCAGATAGTCA 6139
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;
; RESULT 10
; US-08-458-076A-1/c
; Sequence 1, Application US/08458076A
; Patent No. 5698425
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James M.
; APPLICANT: Beck, James Joseph
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Gaffney, Thomas Deane
; APPLICANT: Lam, Stephen Ting
; APPLICANT: Hammer, Phillip E.
; APPLICANT: Uknes, Scott Joseph
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/458,076A
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/457,205
; FILING DATE: 01-JUN-1995
; APPLICATION NUMBER: 08/258,261
; FILING DATE: 08-Jun-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8614
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTE-SENSE: NO
;
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 423..2036
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames
; OTHER INFORMATION: transcribed as a single message, as described in Examples
; OTHER INFORMATION: 12 of the specification."
;
; US-08-458-076A-1
;
; Query Match 62.4%; Score 15.6; DB 2; Length 7001;
; Best Local Similarity 81.8%; Pred. No. 1.1e+02;
; Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
;
; Qy 1 agtggaaacagcaagagactca 22
; ||||| ||||| ||||| |||||
;
; Db 6160 AGTGTCAACAGCCAGATAGTCA 6139
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;
; RESULT 11
; US-08-457-335A-1/c
; Sequence 1, Application US/08457335A
; Patent No. 5723759
; GENERAL INFORMATION:
; APPLICANT: Schupp, Thomas
; APPLICANT: Ligon, James M.
; APPLICANT: Beck, James Joseph
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Gaffney, Thomas Deane
; APPLICANT: Lam, Stephen Ting
; APPLICANT: Hammer, Phillip E.
; APPLICANT: Uknes, Scott Joseph
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: NY
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/457,335A
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/457,205
; FILING DATE: 01-JUN-1995
; APPLICATION NUMBER: 08/258,261
; FILING DATE: 08-Jun-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8614
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTE-SENSE: NO
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APPLICATION NUMBER: US 08/457,205
FILING DATE: 01-JUN-1995
APPLICATION NUMBER: 08/258,261
FILING DATE: 08-Jun-1994
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 35,129
REFERENCE/DOCKET NUMBER: CGC 1506/CIP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8614
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 7001 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 423..2036
OTHER INFORMATION: /label= ORF1
OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
FEATURE:
NAME/KEY: CDS
LOCATION: 2039..3121
OTHER INFORMATION: /label= ORF2
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FEATURE:
NAME/KEY: CDS
LOCATION: 3167..4867
OTHER INFORMATION: /label= ORF3
OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
FEATURE:
NAME/KEY: CDS
LOCATION: 4895..5983
OTHER INFORMATION: /label= ORF4
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FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..7001
OTHER INFORMATION: /note= "Four open reading frames"
OTHER INFORMATION:
OTHER INFORMATION: transcribed as a single message, as described in Examples 10
OTHER INFORMATION: 12 of the specification."
US-08-457-335A-1

Query Match 62.4%; Score 15.6; DB 2; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaacagcagagactca 22
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Db 6160 AGTTGCAACGCCAGATAGTCA 6139

RESULT 12
US-08-761-258-6/c
Sequence 6, Application US/08761258
Patent No. 5756087
GENERAL INFORMATION:
APPLICANT: Ligon, James M.
APPLICANT: Hill, Dwight S.
APPLICANT: Lam, Stephen T.
APPLICANT: Gaffney, Thomas D.
APPLICANT: Torkewitz, Nancy
TITLE OF INVENTION: Genetically Modified Pseudomonas Strains
TITLE OF INVENTION: with Enhanced Biocontrol Activity
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:

ADDRESSEE: Ciba-Geigy Corporation
STREET: 520 White Plains Road, P.O. Box 2005
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/761,258
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8587
TELEFAX: (919) 541-8689
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 7001 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356 (aka MOCG134 and aka BL915)
IMMEDIATE SOURCE:
CLONE: PCIB169
FEATURE:
NAME/KEY: misc_feature
LOCATION: 423..2036
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OTHER INFORMATION: /note= "ORF1"
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NAME/KEY: misc_feature
LOCATION: 2039..3121
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OTHER INFORMATION: /note= "ORF2"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 3167..4867
OTHER INFORMATION: /product= "PrnC"
OTHER INFORMATION: /note= "ORF3"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4895..5983
OTHER INFORMATION: /product= "PrnD"
OTHER INFORMATION: /note= "ORF4"
US-08-761-258-6

Query Match 62.4%; Score 15.6; DB 3; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaacagcagagactca 22
||||| ||||| ||| |||
Db 6160 AGTTGCAACGCCAGATAGTCA 6139

RESULT 13
US-08-848-932-1
Sequence 1, Application US/08848932
Patent No. 5768878
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola

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; TITLE OF INVENTION: No. 5766878e1 Compounds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/848,932
; FILING DATE: 01-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 9609125.1
; FILING DATE: 01-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmel, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P31474
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1666 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: mRNA
; US-08-848-932-1
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Query Match 62.4%; Score 15.6; DB 3; Length 1666;
Best Local Similarity 81.8%; Pred. No. 91;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 3 ttgaacagcagcaagactcaaa 24
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Db 1606 TAGAAGCAGCAAAAGACTCTAA 1627
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RESULT 14
US-08-729-214-1/c
; Sequence 1, Application US/08729214
; Patent No. 5817502
; GENERAL INFORMATION:
; APPLICANT: Ligon, James M.
; APPLICANT: Hill, Dwight Steven
; APPLICANT: Ryals, John Andrew
; APPLICANT: Hammer, Phillip E.
; APPLICANT: van Pee, Karl-Heinz
; APPLICANT: Kirner, Sabine
; TITLE OF INVENTION: Genes for the synthesis of
; TITLE OF INVENTION: antipathogenic substances
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ciba-Geigy Corporation
; STREET: 520 White Plains Road
; CITY: Tarrytown
; STATE: NY
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/729,214
; FILING DATE: TBA
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: CGC 1506/CIP5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8587
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 423..2036
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2039..3121
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3167..4867
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 4895..5983
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..7001
; OTHER INFORMATION: /note= "Four open reading frames"
; OTHER INFORMATION:
; OTHER INFORMATION: transcribed as a single message, as described in Examples
; US-08-729-214-1
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Query Match 62.4%; Score 15.6; DB 3; Length 7001;
Best Local Similarity 81.8%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 1 agttgaacagcagcaagactca 22
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Db 6160 AGTTGCAACAGCCAGATAGTCA 6139
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RESULT 15
US-09-008-180-1
; Sequence 1, Application US/09008180
; Patent No. 5880262
; GENERAL INFORMATION:
; APPLICANT: Wallis, Nicola
; TITLE OF INVENTION: No. 5880262e1 Compounds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
```



```

: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/008,180
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/848,932
: FILING DATE: 01-MAY-1997
: APPLICATION NUMBER: 9609125.1
: FILING DATE: 01-MAY-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Gimmi, Edward R
: REGISTRATION NUMBER: 38,891
: REFERENCE/DOCKET NUMBER: P31474
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-270-4478
: TELEFAX: 610-270-5090
: TELEX:
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1666 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: mRNA
: US-09-008-180-1

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Query Match      62.4%; Score 15.6; DB 4; Length 1666;
Best Local Similarity 81.8%; Pred. No. 91;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 ttgaacagcagaagactcaaa 24
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DB 1606 TAGAGCAGCAAAAGACTCTAA 1627

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Search completed: September 10, 1999, 10:17:36
Job time: 57 sec

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seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-262-037-41

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seq_documentation_block:
; Sequence 41, Application US/08262037
; Patent No. 5747239
; GENERAL INFORMATION:
; APPLICANT: Chang Yi Wang and Barbara Hosen
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/262,037
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/719,819
; FILING DATE: 24-June-1991
; APPLICATION NUMBER: 07/667,275
; FILING DATE: 11-Mar-1991
; APPLICATION NUMBER: 07/651,735
; FILING DATE: 07-Feb-1991
; APPLICATION NUMBER: 07/558,799
; FILING DATE: 26-July-1990
; APPLICATION NUMBER: 07/510,153
; FILING DATE: 16-April-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria C. H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4043 US3
; TELEPHONE: 212-758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34 amino acids
; TYPE: Amino acid
; STRANDEDNESS:
; TOPOLOGY: Unknown
US-08-262-037-41
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Ratio: 6.800 Gaps: 0
Percent Similarity: 83.333 Percent Identity: 66.667

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14 TrpPheGlyCysThrTrp 19

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seq_documentation_block:

; Sequence 42, Application US/08262037

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; Patent No. 5747239
; GENERAL INFORMATION:
; APPLICANT: Chang Yi Wang and Barbara Hosen
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/262,037
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/719,819
; FILING DATE: 24-June-1991
; APPLICATION NUMBER: 07/667,275
; FILING DATE: 11-Mar-1991
; APPLICATION NUMBER: 07/651,735
; FILING DATE: 07-Feb-1991
; APPLICATION NUMBER: 07/558,799
; FILING DATE: 26-July-1990
; APPLICATION NUMBER: 07/510,153
; FILING DATE: 16-April-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria C. H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4043 US3
; TELEPHONE: 212-758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 amino acids
; TYPE: Amino acid
; STRANDEDNESS:
; TOPOLOGY: Unknown
US-08-262-037-42
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alignment_scores:
Quality: 34.00 Length: 6
Ratio: 6.800 Gaps: 0
Percent Similarity: 83.333 Percent Identity: 66.667

alignment_block:

US-09-056-153-3 x US-08-262-037-42 ..

Align seg 1/1 to: US-08-262-037-42 from: 1 to: 42

6 TGGATCAAGTGCACATGG 23

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22 TrpPheGlyCysThrTrp 27

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-262-037-43

seq_documentation_block:

; Sequence 43, Application US/08262037

; Patent No. 5747239

; GENERAL INFORMATION:

; APPLICANT: Chang Yi Wang and Barbara Hosen

; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR

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; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/262,037
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/719,819
; FILING DATE: 24-June-1991
; APPLICATION NUMBER: 07/667,275
; FILING DATE: 11-Mar-1991
; APPLICATION NUMBER: 07/651,735
; FILING DATE: 07-Feb-1991
; APPLICATION NUMBER: 07/558,799
; FILING DATE: 26-July-1990
; APPLICATION NUMBER: 07/510,153
; FILING DATE: 16-April-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria C. H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4043 US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 amino acids
; TYPE: Amino acid
; STRANDEDNESS:
; TOPOLOGY: Unknown
; US-08-262-037-43

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seq_documentation_block:
; Sequence 1, Application US/08698407
; Patent No. 5856128
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Au-Young, Janice
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: A NOVEL HUMAN NUCLEIC ACID BINDING PROTEIN
; NUMBER OF SEQUENCES: 5

; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/698,407
; FILING DATE: Filed Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0116 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 227 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
; US-08-698-407-1

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3 TACTGGATCAAGTCACACA 20
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171 TrpTrpLeuLysCysThr 176

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-440-103-29
seq_documentation_block:
; Sequence 29, Application US/08440103
; Patent No. 5670152
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,103
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; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; OTHER INFORMATION: /label= Heterogeneity
; OTHER INFORMATION: /note= "Amino Acid #5 can also be Ala."
US-08-440-103-29

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  166 TrpPheGlyCysThrTrp 171

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-440-103-30

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; Patent No. 5670152
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; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; FILING DATE: 12-MAY-1995
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; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; OTHER INFORMATION: /note= "This amino acid can also be Met."
; FEATURE:
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; OTHER INFORMATION: /note= "This amino acid can also be Val."
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; LOCATION: 80
; OTHER INFORMATION: /label= Heterogeneity
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; LOCATION: 93
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; LOCATION: 139
; OTHER INFORMATION: /label= Heterogeneity
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; NAME/KEY: Duplication
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; NAME/KEY: Duplication
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; US-08-440-103-30
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  Ratio: 6.800       Gaps: 0
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166 TrpPheGlyCysThrTrp 171
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; Patent No. 5670153
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,542
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Duplication
; LOCATION: 3
; OTHER INFORMATION: /label= heterogeneity
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; OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."
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; LOCATION: 7
; OTHER INFORMATION: /label= Heterogeneity
; OTHER INFORMATION: /note= "Amino Acid #5 can also be Ala."
; US-08-440-542-29
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US-09-056-153-3 x US-08-440-542-29 ..
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Align seg 1/1 to: US-08-440-542-29 from: 1 to: 268
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166 TrpPheGlyCysThrTrp 171
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seq_name: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:US-08-440-542-30
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seq_documentation_block:
; Sequence 30, Application US/08440542
; Patent No. 5670153
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,542
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; OTHER INFORMATION: /label= Heterogeneity
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166 TrpPheGlyCysThrTrp 171
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; Sequence 29, Application US/08231368
; Patent No. 5756312
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205,001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Duplication
; LOCATION: 3
; OTHER INFORMATION: /label= heterogeneity
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; OTHER INFORMATION: /label= Heterogeneity
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; US-08-231-368-29
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166 TrpPheGlyCysThrTrp 171
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; Patent No. 5756312
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; NAME/KEY: Duplication
; LOCATION: 251
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; US-08-231-368-30
alignment_scores:
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  Ratio: 6.800 Gaps: 0
  Percent Similarity: 83.333 Percent Identity: 66.667
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US-09-056-153-3 x US-08-231-368-30 ..
Align seg 1/1 to: US-08-231-368-30 from: 1 to: 268
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166 TrpPheGlyCysThrTrp 171
seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:US-08-440-210-29
seq_documentation_block:
; Sequence 29: Application US/08440210
; Patent No. 5766845
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,210
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
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; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 268 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; OTHER INFORMATION: /label= heterogeneity
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; OTHER INFORMATION: /label= Heterogeneity
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; US-08-440-210-29

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; Sequence 30, Application US/08440210
; Patent No. 5766845
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,210
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 435
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; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
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; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 30:
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US-08-440-210-30

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166 TrpPheGlyCysThrTrp 171

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; Sequence 16, Application US/08440103
; Patent No. 5670152
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608

; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
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; CURRENT APPLICATION DATA:
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; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-440-103-16

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; Patent No. 5670153
; GENERAL INFORMATION:
; APPLICANT: Weiner, Amy J.
; APPLICANT: Houghton, Michael
; TITLE OF INVENTION: Immunoactive Polypeptide Compositions
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,542
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,368
; FILING DATE:
; APPLICATION NUMBER: US 07/759,575
; FILING DATE: 13-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0205.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2708
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-440-542-16

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Percent Similarity: 83.333 Percent Identity: 66.667

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6 TGGATCAAGTGCACATGG 23
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180 TrpPheGlyCysThrTrp 185

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About: Results were produced by the GenCore software, version 4.5, Copyright (c) 1993-1998 CompuGen Ltd.

Search time (sec): 99.200000

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; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: GTC-016P
; CURRENT APPLICATION NUMBER: US/60/096,409A
; CURRENT FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28206
; SEQ ID NO 20212
; LENGTH: 740
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; ORGANISM: Candida albicans
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US-60-096-409-20212

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US-09-056-153-3 x US-09-248-796-18605 ..
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; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBI
; FILE REFERENCE: GTC-016P
; CURRENT APPLICATION NUMBER: US/60/096,409A
; CURRENT FILING DATE: 1998-08-13
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; ORGANISM: Candida albicans
US-60-096-409-18605

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Percent Similarity: 83.333 Percent Identity: 66.667

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; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
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US-09-270-767-60936

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; APPLICANT: Homburger et al.
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; SEQ ID NO 45430
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45430

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  Ratio: 6.167        Gaps: 0
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; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: F2002P1
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; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
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; EARLIER FILING DATE: 1997-05-23
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; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guesler, Karl J.
; APPLICANT: Baugh, Mariah
; APPLICANT: Sather, Susan
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/002.485
; FILING DATE: HEREWITH
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: BILLINGS, LUCY J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0459 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 640 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn ver. 2.0
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; LENGTH: 269
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
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; OTHER INFORMATION: Xaa means any amino acid
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; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
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; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-54664

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; Sequence 4, Application US/09080964
; GENERAL INFORMATION:
; APPLICANT: Wallis, Nicola G.
; APPLICANT: Ingraham, Karen A.
; APPLICANT: Yigong-Ge, James
; APPLICANT: Holmes, David J.
; APPLICANT: Zalacain, Magdalena
; APPLICANT: Throup, John
; APPLICANT: Biswas, Sanjoy
; APPLICANT: Bryant, Alexander
; APPLICANT: Marra, Andrea
; TITLE OF INVENTION: Histidine Kinase
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechert, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793
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; CLASSIFICATION:
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; APPLICATION NUMBER: 60/048,345
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Falk, Stephen T
; REGISTRATION NUMBER: 36,795
; REFERENCE/DOCKET NUMBER: GM10007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-994-2488
; TELEFAX: 215-994-2222
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 307 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361W02
; CURRENT APPLICATION NUMBER: PCT/US98/25247
; EARLIER FILING DATE: 1998-11-25
; EARLIER FILING DATE: 1997-11-25
; NUMBER OF SEQ ID NOS: 437
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; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361W02
; CURRENT APPLICATION NUMBER: PCT/US98/25247A
; EARLIER FILING DATE: 1998-11-25
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; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick
; APPLICANT: Goodman, Howard M.
; APPLICANT: Rahme, Laurence G.
; APPLICANT: Mahajan-Miklos, Shalina
; APPLICANT: Tan, Man-Wah
; APPLICANT: Cao, Hui
; APPLICANT: Drenkard, Eliana
; APPLICANT: Tsongalis, John
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361002
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; CURRENT FILING DATE: 1998-11-25
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GenCore version 4.5
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ALIGNMENTS

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; Patent No. 5492825
; GENERAL INFORMATION:
; APPLICANT: Jan, Lily Y.
; APPLICANT: Jan, Yuh Nung
; APPLICANT: Kubo, Yoshihiro
; APPLICANT: Reuveny, Eitan
; APPLICANT: Slesinger, Paul A.
; TITLE OF INVENTION: Cloning of Mammalian Inward Rectifier
; TITLE OF INVENTION: Potassium Channel cDNAs
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco,
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/103,445
; FILING DATE: 06-AUG-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-58619/WHd
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2311 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 338..1624
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 596..661
; OTHER INFORMATION: /note= "Region encoding M1
; OTHER INFORMATION: segment."
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 731..781
; OTHER INFORMATION: /note= "Region encoding H5
; OTHER INFORMATION: segment."
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 806..871

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; OTHER INFORMATION: /note= "Region encoding M2
; OTHER INFORMATION: segment."
US-08-103-445-1

Query Match      74.4%; Score 18.6; DB 1; Length 2311;
Best Local Similarity 84.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 ggtactggatcaagtgcacatggag 25
Db 92 GGTACAGGATCATGGGACATGGAG 68

RESULT 2
US-08-461-690B-1/c
; Sequence 1, Application US/08461690B
; Patent No. 5670335
; GENERAL INFORMATION:
; APPLICANT: Jan, Lily Y.
; APPLICANT: Jan, Yuh Nung
; APPLICANT: Kubo, Yoshihiro
; APPLICANT: Reuveny, Eitan
; APPLICANT: Slesinger, Paul A.
; TITLE OF INVENTION: Cloning of Mammalian Inward Rectifier
; TITLE OF INVENTION: Potassium Channel cDNAs
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08461.690B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/103.445
; FILING DATE: 06-AUG-1993
; NAME: Dregger, Walter H.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-58619-1/WH/D/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 338..1624
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 596..661
; OTHER INFORMATION: /note= "Region encoding M1
; OTHER INFORMATION: segment."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 731..781
; OTHER INFORMATION: /note= "Region encoding H5

; OTHER INFORMATION: segment."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 806..871
; OTHER INFORMATION: /note= "Region encoding M2
; OTHER INFORMATION: segment."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2131..2132
; OTHER INFORMATION: /note= "The 'N' occurring at this
; OTHER INFORMATION: position represents an 'F'."
US-08-461-690B-1

Query Match      74.4%; Score 18.6; DB 2; Length 2310;
Best Local Similarity 84.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 ggtactggatcaagtgcacatggag 25
Db 92 GGTACAGGATCATGGGACATGGAG 68

RESULT 3
US-08-083-590A-21
; Sequence 21, Application US/08083590A
; Patent No. 5786158
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S. et al.
; TITLE OF INVENTION: Therapeutic And Diagnostic Methods
; TITLE OF INVENTION: And Compositions Based On No. 5786158ch Proteins And
; TITLE OF INVENTION: Nucleic Acids
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/083.590A
; FILING DATE: 25-JUN-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9723 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10..7419
US-08-083-590A-21

Query Match      68.0%; Score 17; DB 3; Length 9723;
Best Local Similarity 80.0%; Pred. No. 19;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OY 1 ggtactggatcaagtgcacatggag 25
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 Db 5257 GGTACTGGAACAAGTGAACACTGGG 5281

RESULT 4
 US-08-735-963-1/C
 ; Sequence 1, Application US/08735963
 ; Patent No. 5804433
 ; GENERAL INFORMATION:
 ; APPLICANT: Gray A., Kevin
 ; APPLICANT: Childs D., John
 ; APPLICANT: Squires H., Charles
 ; TITLE OF INVENTION: A RHODOCOCUS FLAVIN REDUCTASE
 ; TITLE OF INVENTION: COMPLEMENTING DSZA AND DSZC ACTIVITY
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02173-4799
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/735,963
 ; FILING DATE: 23-OCT-1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Elmore, Carolyn S.
 ; REGISTRATION NUMBER: 37,567
 ; REFERENCE/DOCKET NUMBER: EBC96-03
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617)861-6240
 ; TELEFAX: (617)861-9540
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 955 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 259..834
 ; US-08-735-963-1

Query Match 58.0%; Score 17; DB 3; Length 955;
 Best Local Similarity 80.0%; Pred. No. 13;
 Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 ggtactggatcaagtgcacatggag 25
 ||||| ||||| ||||| ||||| |||||
 Db 134 GGTCTGGTTCAGTGCACATGGTG 110

RESULT 5
 US-08-462-481-1
 ; Sequence 1, Application US/08462481
 ; Patent No. 5840577
 ; GENERAL INFORMATION:
 ; APPLICANT: Silverman, Robert H.
 ; APPLICANT: Hassel, Bret A.
 ; APPLICANT: Zhou, Aimin
 ; TITLE OF INVENTION: Animal 2-5A- Dependent RNases and
 ; TITLE OF INVENTION: Encoding Sequence Therefor
 ; Patent No. 5840577

; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
 ; ADDRESSEE: Russell
 ; STREET: 200 East Broward Boulevard
 ; CITY: Fort Lauderdale
 ; STATE: Florida
 ; COUNTRY: USA
 ; ZIP: 33301
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/462,481
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/028,086
 ; FILING DATE: 08-MAR-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Manso, Peter J
 ; REGISTRATION NUMBER: 32,264
 ; REFERENCE/DOCKET NUMBER: CL11363-13
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 305/527/2498
 ; TELEFAX: 305/764/4996
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2928 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 104..2326
 ; US-08-462-481-1

Query Match 58.0%; Score 17; DB 4; Length 2928;
 Best Local Similarity 80.0%; Pred. No. 15;
 Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 ggtactggatcaagtgcacatggag 25
 ||||| ||||| ||||| ||||| |||||
 Db 874 GCTTGGACGACGACATAGAG 898

RESULT 6
 US-08-436-771-1
 ; Sequence 1, Application US/08436771
 ; Patent No. 5861300
 ; GENERAL INFORMATION:
 ; APPLICANT: Silverman, Robert H.
 ; APPLICANT: Sengupta, Dibyendu N.
 ; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
 ; TITLE OF INVENTION: Cells and Methods
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
 ; ADDRESSEE: Russell
 ; STREET: 200 E. Broward Boulevard
 ; CITY: Fort Lauderdale
 ; STATE: Florida
 ; COUNTRY: USA
 ; ZIP: 33301
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436.771
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2928 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 104..2326
; US-08-436-771-1
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Query Match 68.0%; Score 17; DB 4; Length 2928;
Best Local Similarity 80.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtaactggatcaagtgcacatggag 25
| | | | | | | | | | | | | | | | |
Db 874 GCTTCTGGAGCAAGACACATAGAG 898
```

```
RESULT 7
US-08-436-771-3
; Sequence 3, Application US/08/436771
; Patent No. 5861300
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.
; APPLICANT: Sengupta, Dibyendu N.
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; TITLE OF INVENTION: Cells and Methods
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell
; STREET: 200 E. Broward Boulevard
; CITY: Fort Lauderdale
; STATE: Florida
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436.771
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
```

```
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2928 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 104..2326
; US-08-436-771-3
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```
Query Match 68.0%; Score 17; DB 4; Length 2928;
Best Local Similarity 80.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtaactggatcaagtgcacatggag 25
| | | | | | | | | | | | | | | | |
Db 874 GCTTCTGGAGCAAGACACATAGAG 898
```

```
RESULT 8
US-08-434-998-1
; Sequence 1, Application US/08/434998
; Patent No. 5866781
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.
; APPLICANT: Sengupta, Dibyendu N.
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; TITLE OF INVENTION: Cells and Methods
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell
; STREET: 200 E. Broward Boulevard
; CITY: Fort Lauderdale
; STATE: Florida
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,998
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2928 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 104..2326
; US-08-434-998-1
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```
Query Match 68.0%; Score 17; DB 4; Length 2928;
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RESULT 10
US-08-487-797-1
; Sequence 1, Application US/08487797
; Patent No. 5866787
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,797

Query Match	58.0%	Score 17	DB 4	Length 2928
Best Local Similarity	80.0%	Pred. NO. 15		
Matches 20	Conservative 0	Mismatches 5	Indels	
QY	1	gggtactggatcaagtgcacatggag	25	
Db	874	GCTTCTGGAGCAAGAGCACATAGAG	898	

RESULT 13
PCT-US95-02058-1
; Sequence 1, Application PC/TUS9502058

TITLE OF INVENTION: Cells and Mechanisms
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
 ADDRESSEE: Russell
 STREET: 200 E. Broward Boulevard
 CITY: Fort Lauderdale
 STATE: Florida
 COUNTRY: USA
 ZIP: 33301
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/02058

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, , PRIOR APPLICATION DATA:
, , APPLICATION NUMBER: US 08/198,973
, , FILING DATE: 18-FEB-1994
, , ATTORNEY/AGENT INFORMATION:
, , NAME: Manso, Peter J.
, , REGISTRATION NUMBER: 32,264
, , REFERENCE/DOCKET NUMBER: C111363-16
, , TELECOMMUNICATION INFORMATION:
, , TELEPHONE: 305/527/2498
, , TELEFAX: 305/764/4996
, , INFORMATION FOR SEQ ID NO: 1:
, , SEQUENCE CHARACTERISTICS:
, , LENGTH: 2928 base pairs
, , TYPE: nucleic acid
, , STRANDEDNESS: single
, , TOPOLOGY: linear
, , MOLECULE TYPE: DNA (genomic)
, , FEATURE:
, , NAME/KEY: CDS
, , LOCATION: 104..2326
, , PCT-US95-02058-1

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Query Match 68.0% Score 17 DB 5 Length 2928;

Best Local Similarity 80.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtactggtcaagtgcacatggag 25
| | | | | | | | | | | | | | | | | |
Db 874 GCTTCTGGAGCAAGACACATAGAG 898

RESULT 14

PCT-US95-02058-3
; Sequence 3, Application PC/TUS9502058
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.
; APPLICANT: Sengupta, Dibyendu N.
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; TITLE OF INVENTION: Cells and Methods
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; ADDRESSEE: Russell
; STREET: 200 E. Broward Boulevard
; CITY: Fort Lauderdale
; STATE: Florida
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/02058
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: C111363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2928 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 104..2326
PCT-US95-02058-3

Query Match 68.0%; Score 17; DB 5; Length 2928;
Best Local Similarity 80.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtactggtcaagtgcacatggag 25
| | | | | | | | | | | | | | | | | |
Db 874 GCTTCTGGAGCAAGACACATAGAG 898

RESULT 15

PCT-US94-10080-11
; Sequence 11, Application PC/TUS9410080
; GENERAL INFORMATION:
; APPLICANT: GENETICS INSTITUTE, INC.
; TITLE OF INVENTION: RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute Inc.- Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/10080
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/123,934
; FILING DATE: 17-SEP-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5203-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8260
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 341 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: KDA-B5
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 25..318
PCT-US94-10080-11

Query Match 64.8%; Score 16.2; DB 5; Length 341;
Best Local Similarity 85.7%; Pred. No. 25;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 ctggtatcaagtgcacatggag 25
| | | | | | | | | | | | | | | | | |
Db 265 CTGGCTCACCTGCACATGGAG 285

Search completed: September 10, 1999, 10:17:38
Job time: 59 sec

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seq_documentation_block:
; Sequence 53, Application US/08455543A
; Patent No. 5792846
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,543A
; FILING DATE: May 31, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/223,305
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-52517
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1103 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-455-543A-53

alignment_scores:
Quality: 31.00 Length: 9

seq_documentation_block:
; Sequence 53, Application US/08455543A
; Patent No. 5792846
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,543A
; FILING DATE: May 31, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/223,305
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-52517
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1103 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-455-543A-53

Ratio: 3.875 Gaps: 0
Percent similarity: 88.889 Percent Identity: 77.778
alignment_block:
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7 LeuAlaLeuThrLeuPheGln 15
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seq_documentation_block:
; Sequence 53, Application US/08223305C
; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1103 amino acids
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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-223-305C-53

alignment_scores:
 Quality: 31.00 Length: 9
 Ratio: 3.875 Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

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7 LeuAlaLeuThrLeuThrLeuPheGln 15

seq_name: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:US-07-745-206A-25

seq_documentation_block:
; Sequence 25, Application US/07745206A
; Patent No. 5429921

; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: McCue, Ann
; APPLICANT: Feldman, Daniel
; TITLE OF INVENTION: Human Calcium Channel Compositions and
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fitch, Even, Tabin & Flannery
; STREET: 135 S. LaSalle
; CITY: Chicago
; STATE: Illinois
; COUNTRY: U.S.A.
; ZIP: 60603

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/745,206A
; FILING DATE: 19910815
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Feder, Scott B
; REFERENCE/DOCKET NUMBER: 51504
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-372-7842
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1091 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-745-206A-25

alignment_scores:
 Quality: 31.00 Length: 9
 Ratio: 3.875 Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

alignment_block:
US-09-056-153-4/rev x US-07-745-206A-25 ..

Align seg 1/1 to: US-07-745-206A-25 from: 1 to: 1091

27 TTAGCTTTGAGTCCTCTGCTGTTTCAA 1
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7 LeuAlaLeuThrLeuThrLeuPheGln 15

seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:US-08-455-543A-52

seq_documentation_block:
; Sequence 52, Application US/08455543A
; Patent No. 5792846

; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,543A
; FILING DATE: May 31, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/223,305
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-52517
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1091 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

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;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   FRAGMENT TYPE: internal
US-08-455-543A-52

alignment_scores:
  Quality: 31.00      Length: 9
  Ratio: 3.875       Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

alignment_block:
US-09-056-153-4/rev x US-08-455-543A-52 ..
Align seg 1/1 to: US-08-455-543A-52 from: 1 to: 1091

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7 LeuAlaLeuThrLeuPheGln 15

seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:US-08-223-305C-52

seq_documentation_block:
; Sequence 52, Application US/08223305C
; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: fscseq version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223.305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
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;
;   REGISTRATION NUMBER: 33,779
;   REFERENCE/DOCKET NUMBER: 52516 (P519739)
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (619)238-0999
;   TELEFAX: (619)238-0062
;   INFORMATION FOR SEQ ID NO: 52:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1091 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   FRAGMENT TYPE: internal
US-08-223-305C-52

alignment_scores:
  Quality: 31.00      Length: 9
  Ratio: 3.875       Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

alignment_block:
US-09-056-153-4/rev x US-08-223-305C-52 ..
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7 LeuAlaLeuThrLeuPheGln 15

seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:US-08-311-363-25

seq_documentation_block:
; Sequence 25, Application US/08311363
; Patent No. 5876958
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: Human Calcium Channel Compositions and
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,363
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-51506
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1091 amino acids
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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-311-363-25

alignment_scores:
  Quality: 31.00      Length: 9
  Ratio: 3.875       Gaps: 0
  Percent Similarity: 88.889   Percent Identity: 77.778

alignment_block:
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Align seg 1/1 to: US-08-311-363-25 from: 1 to: 1091

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seq_name: /cgn2_5/ptodata/2/1aa/5B_COMB.pep:US-08-455-543A-54

seq_documentation_block:
; Sequence 54, Application US/08455543A
; Patent No. 5792846
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,543A
; FILING DATE: May 31, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/223,305
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
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; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-52517
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0082
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1086 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-455-543A-54

alignment_scores:
  Quality: 31.00      Length: 9
  Ratio: 3.875       Gaps: 0
  Percent Similarity: 88.889   Percent Identity: 77.778

alignment_block:
US-09-056-153-4/rev x US-08-455-543A-54
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Align seg 1/1 to: US-08-455-543A-54 from: 1 to: 1086

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seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:US-08-223-305C-54

seq_documentation_block:
; Sequence 54, Application US/08223305C
; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1086 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-223-305C-54

alignment_scores:
  Quality: 31.00 Length: 9
  Ratio: 3.875 Gaps: 0
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alignment_block:
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seq_documentation_block:
; Sequence 56, Application US/08455543A
; Patent No. 5792846
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455.543A
; FILING DATE: May 31, 1995

; APPLICATION NUMBER: 08/223,305
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-52517
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1084 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-455-543A-56

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seq_documentation_block:
; Sequence 56, Application US/08223305C
; Patent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
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STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/223,305C
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 52516 (P519739)
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 1084 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-223-305C-56

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: Patent No. 5792846
: GENERAL INFORMATION:
: APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESS: Brown, Martin, Haller & McClain
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 1079 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-455-543A-55

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; Patent No. 5710250
; GENERAL INFORMATION:
; APPLICANT: Ellis, Steven Bradley
; APPLICANT: Williams, Mark E.
; APPLICANT: Harpold, Michael Miller
; APPLICANT: Schwartz, Arnold
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: CALCIUM CHANNEL COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
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; APPLICATION NUMBER: US/08/435,675B
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 435
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; APPLICATION NUMBER: US 08/314,083
; FILING DATE: 28-SEP-1994
; APPLICATION NUMBER: US 07/914,231
; FILING DATE: 13-JUL-1992
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 08-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-53193
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 508 amino acids
; TYPE: amino acid
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Ratio: 3.875 Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

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Date: Sep 10, 1999 10:31 AM

About: Results were produced by the GenCore software, version 4.5,
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Search information block:

Query: US-09-056-153-4
Query length: 28
Database: Pending_Patents_AA:*
Database sequences: 450832
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; GENERAL INFORMATION:
; APPLICANT: AMBRUS JR., JULIAN L.
; APPLICANT: FAUCI, ANTHONY S.
; TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
; TITLE OF INVENTION: FACTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/005,156B
; FILING DATE: 15-JAN-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: PLUMER, ELIZABETH R.
; REGISTRATION NUMBER: 36,637
; REFERENCE/DOCKET NUMBER: B0819/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
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; TOPOLOGY: linear
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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767

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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
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US-09-270-767-44494

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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
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US-09-270-767-40686

; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-40686

alignment_scores:
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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
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US-09-270-767-42642
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seq_name: /cgn2_6/ptodata/2/paa/US07_COMB.pap:US-07-768-586-3

seq_documentation_block:
; Sequence 3, Application US/07768586
; GENERAL INFORMATION:
; APPLICANT: Mirkov, Theodore E.
; APPLICANT: Fitzmaurice, Leona C.
; TITLE OF INVENTION: RECOMBINANT EXPRESSION SYSTEM BASED ON
; TITLE OF INVENTION: SATELLITE TOBACCO MOSAIC VIRUS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07768,586
; FILING DATE: 19910919
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr., Ph.D., John R.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD2164
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 159 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..159
; US-07-768-586-3

alignment_scores:
  Quality: 31.00      Length: 5
  Ratio: 6.200       Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 80.000

alignment_block:
  US-09-056-153-4/rev x US-07-768-586-3  ..
  Align seg 1/1 to: US-07-768-586-3  from: 1 to: 159

17  GTCTCTGCTGTTTC 3

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154  llsrCysCysPhe 158

seq_name: /cgn2_6/ptodata/2/paa/US088_COMB.pap:US-08-845-546-10

seq_documentation_block:
; Sequence 10, Application US/08845546
; GENERAL INFORMATION:
; APPLICANT: Munroe, Donald
; APPLICANT: Gupta, Ashwani
; APPLICANT: Vyas, Tejal
; APPLICANT: McCallum, Kirk
; APPLICANT: Fan, Ermel
; TITLE OF INVENTION: CLONED GLUCAGON-LIKE PEPTIDE
; TITLE OF INVENTION: 2 RECEPTORS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/845,546
; FILING DATE: 24-APR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Friebe, Thomas E.
; REGISTRATION NUMBER: 29,258
; REFERENCE/DOCKET NUMBER: 8607-018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 222 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-845-546-10

alignment_scores:
  Quality: 31.00      Length: 8
  Ratio: 3.875       Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 87.500

alignment_block:
  US-09-056-153-4/rev x US-08-845-546-10  ..
  Align seg 1/1 to: US-08-845-546-10  from: 1 to: 222

27  TTAGCTTTGAGTCTCTGCTGTTT 4
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  9  LeuAlaLeuThrLeuLeuPhe 16

seq_name: /cgn2_6/ptodata/2/paa/US092_COMB.pap:US-09-275-667-2

seq_documentation_block:
; Sequence 2, Application US/09275667
; GENERAL INFORMATION:
; APPLICANT: Wycoff, Keith L.
; APPLICANT: Jaiswal, Sudhir K.
; TITLE OF INVENTION: SIMULTANEOUS INTRODUCTION OF MULTIPLE
; TITLE OF INVENTION: HETEROLOGOUS GENES INTO PLANTS AND ASSEMBLY INTO FUNCTIONAL

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; TITLE OF INVENTION: MULTIMERS
; FILE REFERENCE: 415142000100
; CURRENT APPLICATION NUMBER: US/09/275,667
; CURRENT FILING DATE: 1999-03-24
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-275-667-2

alignment_scores:
  Quality: 31.00      Length: 8
  Ratio: 3.875       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 87.500

alignment_block:
US-09-056-153-4/rev x US-09-275-667-2 ..
Align seg 1/1 to: US-09-275-667-2 from: 1 to: 236

27 TTAGCTTTGAGTCTCTGTGCTGTTT 4
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10 LeuSerLeuSerLeuLeuLeuPhe 17

seq_name: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep:US-09-270-767-44214

seq_documentation_block:
; Sequence 44214, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44214
; LENGTH: 275
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-44214

alignment_scores:
  Quality: 31.00      Length: 5
  Ratio: 6.200       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 80.000

alignment_block:
US-09-056-153-4/rev x US-09-270-767-44214 ..
Align seg 1/1 to: US-09-270-767-44214 from: 1 to: 275

17 GTCTCTGTGCTGTTTC 3
|||||||||
226 IleSerCysCysPhe 230

seq_name: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep:US-09-270-767-43620

seq_documentation_block:
; Sequence 43620, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43620
; LENGTH: 391
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-43620

alignment_scores:
  Quality: 31.00      Length: 7
  Ratio: 4.429       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 85.714

alignment_block:
US-09-056-153-4 x US-09-270-767-43620 ..
Align seg 1/1 to: US-09-270-767-43620 from: 1 to: 391

3 GAAACAGCAAGAGACTCAAG 23
|||||||||||||:|||||
120 GluThrAlaArgAspIrrLys 126

seq_name: /cgn2_6/ptodata/2/paa/US088_COMB.pep:US-08-827-356-3643

seq_documentation_block:
; Sequence 3643, Application US/08827356
; GENERAL INFORMATION:
; APPLICANT: George H. Shlmer, Jr.
; APPLICANT: George H. Miller
; APPLICANT: Roberta S. Hare
; APPLICANT: Karen J. Shaw
; TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS RELATED
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 5574
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Schering-Plough Corporation
; STREET: 2000 Galloping Hill Road
; CITY: Kenilworth
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07033-0530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,356
; FILING DATE: 01-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,477
; FILING DATE: 01-APR-1996
; APPLICATION NUMBER: 60/016,743
; FILING DATE: 02-MAY-1996
; APPLICATION NUMBER: 60/020,016
; FILING DATE: 14-JUN-1996
; INFORMATION FOR SEQ ID NO: 3643:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 443 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Staphylococcus aureus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...443
US-08-827-356-3643

alignment_scores:
  Quality: 31.00      Length: 7
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Ratio: 4.429 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 85.714
alignment_block:
US-09-056-153-4 x US-08-827-356-3643 ..
Align seg 1/1 to: US-08-827-356-3643 from: 1 to: 443

8 AGCAAGAGACTCAAGCTAAC 28
|||||.....:|||||
66 SerLysArgIleLysAlaAsn 72

seq_name: /cgn2_5/ptodata/2/paa/US092_COMB.pep:US-09-248-796-16049

seq_documentation_block:
; Sequence 16049, Application US/09248796
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 28206
; SEQ ID NO 16049
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Candida albicans
; NAME/KEY: UNSURE
; LOCATION: (433),(444)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-09-248-796-16049

alignment_scores:
Quality: 31.00 Length: 7
Ratio: 4.429 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 85.714

alignment_block:
US-09-056-153-4 x US-09-248-796-16049 ..
Align seg 1/1 to: US-09-248-796-16049 from: 1 to: 449

4 AAACAGCAAGAGACTCAAAAGC 24
|||||.....:|||||
217 LysGlnGlnThrGlnSer 223

seq_name: /cgn2_5/ptodata/2/paa/US60_COMB.pep:US-60-096-409-16049

seq_documentation_block:
; Sequence 16049, Application US/60096409A
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: GTC-016P
; CURRENT APPLICATION NUMBER: US/60/096,409A
; CURRENT FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28206
; SEQ ID NO 16049
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Candida albicans
; NAME/KEY: UNSURE
; LOCATION: (433),(444)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-60-096-409-16049

alignment_scores:
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Quality: 31.00 Length: 7
Ratio: 4.429 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 85.714
alignment_block:
US-09-056-153-4 x US-60-096-409-16049 ..
Align seg 1/1 to: US-60-096-409-16049 from: 1 to: 449

4 AAACAGCAAGAGACTCAAAAGC 24
|||||.....:|||||
217 LysGlnGlnThrGlnSer 223

seq_name: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep:US-09-270-767-34883

seq_documentation_block:
; Sequence 34883, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34883
; LENGTH: 460
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-34883

alignment_scores:
Quality: 31.00 Length: 7
Ratio: 4.429 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-056-153-4/rev x US-09-270-767-34883 ..
Align seg 1/1 to: US-09-270-767-34883 from: 1 to: 460

21 TTGAGTCTCTTGCTGTTCAA 1
|||||.....:|||||
122 LeuSerLeuLeuLeuPheGln 128
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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	17	60.7	5690	4	US-08-447-464-2	Sequence 2, Appli
	17	60.7	5690	4	US-08-716-679-2	Sequence 2, Appli
	3	17	60.7	1250	4	US-08-379-556A-9
C 4	16.6	59.3	2696	1	US-07-961-522-1	Sequence 1, Appli
	C 5	16.6	59.3	2696	1	US-08-217-438-1
C 6	16.6	59.3	2696	3	US-08-321-978-1	Sequence 1, Appli
	C 7	16.6	59.3	2696	4	US-08-321-978-1
C 8	16.4	58.6	8252	1	US-08-710-584-1	Sequence 1, Appli
	16.4	58.6	8252	1	US-08-046-585-15	Sequence 15, Appli
9	16.4	58.6	8252	1	US-08-393-703-15	Sequence 15, Appli
	10	16.4	3401	1	US-08-218-943-4	Sequence 4, Appli
11	16.4	58.6	8252	5	PCT-US93-11721-15	Sequence 15, Appli
C 12	16	57.1	4060	3	US-08-164-292B-1	Sequence 1, Appli
C 13	16	57.1	4060	3	US-08-164-292B-3	Sequence 3, Appli
C 14	16	57.1	4060	3	US-08-164-292B-5	Sequence 5, Appli
C 15	16	57.1	4060	3	US-08-164-292B-7	Sequence 7, Appli
C 16	16	57.1	60	4	US-08-097-554A-47	Sequence 47, Appli
	17	15.8	56.4	5595	1	US-07-841-655-1
18	15.8	56.4	5595	1	US-07-635-965C-1	Sequence 1, Appli
19	15.8	56.4	3372	1	US-07-906-349A-1	Sequence 1, Appli
20	15.8	56.4	7745	1	US-08-239-675-1	Sequence 1, Appli
21	15.8	56.4	1369	1	US-08-188-228-51	Sequence 51, Appli
22	15.8	56.4	3372	1	US-08-167-035-1	Sequence 1, Appli
C 23	15.8	56.4	3372	1	US-08-167-035-48	Sequence 48, Appli
	24	15.8	56.4	1369	1	US-08-332-643-45
25	15.8	56.4	1369	2	US-08-332-638-51	Sequence 51, Appli
26	15.8	56.4	7745	2	US-08-485-241-1	Sequence 1, Appli
27	15.8	56.4	1919	2	US-08-485-241-2	Sequence 2, Appli
28	15.8	56.4	1551	2	US-08-485-241-4	Sequence 4, Appli
C 29	15.8	56.4	2752	2	US-08-198-446B-12	Sequence 12, Appli
	30	15.8	56.4	3372	2	US-08-208-887A-1
C 31	15.8	56.4	8654	3	US-08-920-812-6	Sequence 6, Appli
C 32	15.8	56.4	8654	3	US-08-920-812-6	Sequence 6, Appli
C 33	15.8	56.4	8654	3	US-08-921-177-6	Sequence 6, Appli
C 34	15.8	56.4	8654	3	US-08-932-577C-6	Sequence 6, Appli
	35	15.8	56.4	9837	3	US-08-832-883-68
36	15.8	56.4	9837	4	US-08-832-877-68	Sequence 68, Appli
37	15.8	56.4	5051	4	US-08-239-276-2	Sequence 2, Appli

US-08-716-679-2
; Sequence 2, Application US/08716679
; Patent No. 5846800
; GENERAL INFORMATION:
; APPLICANT: Schlensingner, Joseph
; APPLICANT: Yan, Hai
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PROTEIN
; TITLE OF INVENTION: PHOSPHOTYROSINE PHOSPHATASE-SIGMA
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/716.679
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/130.570
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7683-043
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5690 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 833..5338
US-08-716-679-2

Query Match 60.7%; Score 17; DB 4; Length 5690;
Best Local Similarity 80.0%; Pred. No. 38;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 4 aaacagcuaagagactcaaaagtaac 28
Db 3631 ACACATGGAGAGACTCAAAAGCCAAC 3655

RESULT 3
US-08-379-556A-9
; Sequence 9, Application US/08379556A
; Patent No. 5859329
; GENERAL INFORMATION:
; APPLICANT: HOLTON, TIMOTHY A.
; APPLICANT: KEAM, LISA A.
; TITLE OF INVENTION: GENETIC SEQUENCES ENCODING FLAVONOL
; TITLE OF INVENTION: SYNTHASE ENZYMES AND USES THEREFOR
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY SCOTT MURPHY & PRESSER
; STREET: 400 GARDEN CITY PLAZA
; CITY: GARDEN CITY
; STATE: NEW YORK

COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,556A
FILING DATE: 22-MAR-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: DIGILIO, FRANK S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9592
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516)742-4343
TELEFAX: (516)742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1250 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 11..1015
US-08-379-556A-9

Query Match 60.7%; Score 17; DB 4; Length 1250;
Best Local Similarity 80.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 3 gaacagcuaagagactcaaaagctaa 27
Db 32 GAATAGCAACACTCTCAAACTAA 56

RESULT 4
US-07-961-522-1/c
; Sequence 1, Application US/07961522
; Patent No. 5417971
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILLSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
; TITLE OF INVENTION: PLEUROPNEUMONIAE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERTA L. ROBINS
; STREET: 635 BRYANT STREET
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/961,522
; FILING DATE: 19921015
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208

```
; REFERENCE/DOCKET NUMBER: 9000-0015.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
;
US-07-961-522-1

Query Match 59.3%; Score 16.6; DB 1; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 aaacgacgaagactcaaaagcta 26
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Db 2611 AAATCACAAGAGACTCAAGCCA 2589

RESULT 5
US-08-217-438-1/c
; Sequence 1, Application US/08217438
; Patent No. 5521072
; GENERAL INFORMATION:
; APPLICANT: Potter, Andrew A.
; APPLICANT: Gerlach, Gerald F.
; APPLICANT: Willson, Philip J.
; APPLICANT: Rossi-Campos, Amalia
; TITLE OF INVENTION: ACTINOBACILLUS PLEUROPNEUMONIAE
; TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Reed & Robins
; STREET: 635 Bryant Street
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/217,438
; FILING DATE: 22-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Robins, Roberta L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9001-0015.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-617-8999
; TELEFAX: 415-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
;
US-08-217-438-1
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Query Match 59.3%; Score 16.6; DB 1; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 aaacgacgaagactcaaaagcta 26
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Db 2611 AAATCACAAGAGACTCAAGCCA 2589

RESULT 6
US-08-321-978-1/c
; Sequence 1, Application US/08321978
; Patent No. 5801018
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
; APPLICANT: GERLACH, GERALD F.
; APPLICANT: WILLSON, PHILIP J.
; APPLICANT: ROSSI-CAMPOS, AMALIA
; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
; TITLE OF INVENTION: PLEUROPNEUMONIAE
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROBERTA L. ROBINS
; STREET: 285 HAMILTON AVE, SUITE 200
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/321,978
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 9001-0015.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
;
US-08-321-978-1

Query Match 59.3%; Score 16.6; DB 3; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 aaacgacgaagactcaaaagcta 26
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Db 2611 AAATCACAAGAGACTCAAGCCA 2589

RESULT 7
US-08-710-584-1/c
; Sequence 1, Application US/08710584
; Patent No. 5876725
; GENERAL INFORMATION:
; APPLICANT: POTTER, ANDREW A.
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RESULT      8
US-08-046-585-15
; Sequence 15, Application US/08046585
; Patent No. 5453362
; GENERAL INFORMATION:
; APPLICANT: Lamarco, Kelly
; APPLICANT: Wilson, Angus
; APPLICANT: Herr, Winship
; TITLE OF INVENTION: A NOVEL EKARYOTIC TRANSCRIPTION PROTEIN:
; TITLE OF INVENTION: HOST CELL FACTOR
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:

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RESULT      9
US-08-393-703-15
; Sequence 15, Application US/08393703
; Patent No. 5585239
; GENERAL INFORMATION:
; APPLICANT: Lamarco, Kelly
; APPLICANT: Wilson, Angus
; APPLICANT: Herr, Winship
; TITLE OF INVENTION: A NOVEL EKARYOTIC TRANSCRIPTION PROTEIN:
; TITLE OF INVENTION: HOST CELL FACTOR
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,703
; FILING DATE: 24-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-57503-2/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8252 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-393-703-15

Query Match 58.6%; Score 16.4; DB 1; Length 8252;

Best Local Similarity 76.9%; Pred. No. 74;

Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 tgaacagcagcagactcaaaagctaa 27

||||| | ||||| ||||| ||

Db 696 TGGGAGTGGAGAGACTCAAAAGCAA 721

RESULT 10

US-08-218-943-4

; Sequence 4, Application US/08218943

; Patent No. 5614193

; GENERAL INFORMATION:

; APPLICANT: Schmaljohn, Connie S.

; APPLICANT: McClain, David J.

; APPLICANT: Dallymple, Joel

; APPLICANT: Dallymple, Lonnie

; TITLE OF INVENTION: HANTAVIRUS VACCINE

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley & Lardner

; STREET: 3000 K Street, N.W., Suite 500

; CITY: Washington, D.C.

; COUNTRY: USA

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/218,943

; FILING DATE: 28-MAR-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/799,479

; FILING DATE: 14-NOV-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: BENT, Stephen A.

; REGISTRATION NUMBER: 29,768

; REFERENCE/DOCKET NUMBER: 71007/118/USGO

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)672-5300

; TELEFAX: (202)672-5399

; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3401 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-218-943-4

Query Match

Best Local Similarity 58.6%; Score 16.4; DB 1; Length 3401;

Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ttgaacagcagcagactcaaaagctaa 26

||||| | ||||| ||||| ||

Db 1603 TTGAAAAACAAAGGCTCAATGGTA 1628

RESULT 11

PCT-US93-11721-15

; Sequence 15, Application PC/TUS9311721

; GENERAL INFORMATION:

; APPLICANT: Lamarco, Kelly

; APPLICANT: Wilson, Angus

; APPLICANT: Herr, Winship

; TITLE OF INVENTION: A NOVEL EKARYOTIC TRANSCRIPTION PROTEIN:

; TITLE OF INVENTION: HOST CELL FACTOR

; NUMBER OF SEQUENCES: 15

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT

; STREET: 4 Embarcadero Center, Suite 3400

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94111-4187

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US93/11721

; FILING DATE: 03-DEC-1993

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: FP-57503-1/RAO

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 781-1989

; TELEFAX: (415) 398-3249

; TELEX: 910 277299

; INFORMATION FOR SEQ ID NO: 15:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 8252 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: CDNA

PCT-US93-11721-15

Query Match

Best Local Similarity 58.6%; Score 16.4; DB 5; Length 8252;

Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 tgaacagcagcagactcaaaagctaa 27

||||| | ||||| ||||| ||

Db 696 TGGGAGTGGAGAGACTCAAAAGCAA 721

RESULT 12

US-08-164-292B-1/C

; Sequence 1, Application US/08164292B

; Patent No. 5820868

; GENERAL INFORMATION:

; APPLICANT: MITTAL, SURESH K.

; APPLICANT: GRAHAM, FRANK L.

; APPLICANT: PREVEC, LUDVIK

; APPLICANT: BABIUK, LORNE A.

; TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE

; NUMBER OF SEQUENCES: 34

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORRISON & FOERSTER

; STREET: 345 California Street

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94104-2675

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

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/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/164,292B
/ FILING DATE: 09-DEC-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: GRACEY, NANCY J.
/ REGISTRATION NUMBER: 28,216
/ REFERENCE/DOCKET NUMBER: 29310-20021.00
/ TELEPHONE: (415) 677-7000
/ TELEFAX: (415) 677-7522
/ TELEX: 34-0154
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 4060 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: Join(606..1215, 1323..1345)
/ US-08-164-292B-1

Query Match 57.1%; Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 tgaacagcagaagactcaaaagt 25
|||||
Db 2403 TGAACAGCAGCGTGAAGCT 2380

RESULT 13
US-08-164-292B-3/c
/ Sequence 3, Application US/08164292B
/ Patent No. 5820868
/ GENERAL INFORMATION:
/ APPLICANT: MITTAL, SURESH K.
/ APPLICANT: GRAHAM, FRANK L.
/ APPLICANT: PREVEC, LUDVIK
/ APPLICANT: BABIUK, LORNE A.
/ TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
/ TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM
/ NUMBER OF SEQUENCES: 34
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MORRISON & FOERSTER
/ STREET: 345 California Street
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94104-2675
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/164,292B
/ FILING DATE: 09-DEC-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: GRACEY, NANCY J.
/ REGISTRATION NUMBER: 28,216
/ REFERENCE/DOCKET NUMBER: 29310-20021.00
/ TELEPHONE: (415) 677-7000
/ TELEFAX: (415) 677-7522
/ TELEX: 34-0154
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 4060 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1850..3109
/ US-08-164-292B-5

Query Match. 57.1%; Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 4060 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1476..1946
/ US-08-164-292B-3

Query Match 57.1%; Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 tgaacagcagaagactcaaaagt 25
|||||
Db 2403 TGAACAGCAGCGTGAAGCT 2380

RESULT 14
US-08-164-292B-5/c
/ Sequence 5, Application US/08164292B
/ Patent No. 5820868
/ GENERAL INFORMATION:
/ APPLICANT: MITTAL, SURESH K.
/ APPLICANT: GRAHAM, FRANK L.
/ APPLICANT: PREVEC, LUDVIK
/ APPLICANT: BABIUK, LORNE A.
/ TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
/ TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM
/ NUMBER OF SEQUENCES: 34
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: MORRISON & FOERSTER
/ STREET: 345 California Street
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94104-2675
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/164,292B
/ FILING DATE: 09-DEC-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: GRACEY, NANCY J.
/ REGISTRATION NUMBER: 28,216
/ REFERENCE/DOCKET NUMBER: 29310-20021.00
/ TELEPHONE: (415) 677-7000
/ TELEFAX: (415) 677-7522
/ TELEX: 34-0154
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 4060 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1850..3109
/ US-08-164-292B-5

Query Match. 57.1%; Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OY 2 tgaacagcaagagactcaagct 25
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Db 2403 TGAACAGCACGTGAGTTGAAGCT 2380

RESULT 15

US-08-164-292B-7/C
; Sequence 7, Application US/08164292B
; Patent No. 5820868
; GENERAL INFORMATION:
; APPLICANT: MITTAL, SURESH K.
; APPLICANT: GRAHAM, FRANK L.
; APPLICANT: PREVEC, LUDVIK
; APPLICANT: BABIUK, JORNE A.
; TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
; TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 345 California Street
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94104-2675
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/164,292B
; FILING DATE: 09-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: GRACEY, NANCY J.
; REGISTRATION NUMBER: 28,216
; REFERENCE/DOCKET NUMBER: 29310-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 677-7000
; TELEFAX: (415) 677-7522
; TELEX: 34-0154
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4060 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3200..3574
US-08-164-292B-7

Query Match 57.1%; Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. NO. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 2 tgaacagcaagagactcaagct 25
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Db 2403 TGAACAGCACGTGAGTTGAAGCT 2380

Search completed: September 10, 1999, 10:17:39
Job time: 60 sec

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/cgn2_6/ptodata/2/iaa/PTUTS9	COMB.pep:PCN-US95-00605-11 -	29.00	120.44	107.41	12
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; Patent No. 5874211
; GENERAL INFORMATION:
; APPLICANT: BANDMAN, OLGA
; APPLICANT: COLEMAN, ROGER
; APPLICANT: STUART, SUSAN G.
; TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/421,144A
; FILING DATE: 13-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Luther, Barbara J.
; REGISTRATION NUMBER: 33954
; REFERENCE/DOCKET NUMBER: PF-0031 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-852-0195
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 77 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-421-144A-6

alignment_scores:
; Quality: 34.00 Length: 6
; Ratio: 5.667 Gaps: 0
; Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
; US-09-056-153-2/rev x US-08-421-144A-6
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seq_name: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:US-08-480-449-20

seq_documentation_block:
; Sequence 20, Application US/08480449
; Patent No. 5688927
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402

seq_documentation_block:
; Sequence 2, Application PC/TUS9401101
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
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; APPLICANT:
; TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/01101
; FILING DATE: FILED HEREWITH

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seq_documentation_block:
; Sequence 6, Application US/08421144A
; Patent No. 5874211
; GENERAL INFORMATION:
; APPLICANT: BANDMAN, OLGA
; APPLICANT: COLEMAN, ROGER
; APPLICANT: STUART, SUSAN G.
; TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/421,144A
; FILING DATE: 13-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Luther, Barbara J.
; REGISTRATION NUMBER: 33954
; REFERENCE/DOCKET NUMBER: PF-0031 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-852-0195
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 77 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-421-144A-6

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seq_documentation_block:
; Sequence 20, Application US/08480449
; Patent No. 5688927
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402

seq_documentation_block:
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; GENERAL INFORMATION:
; APPLICANT:
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; TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
; FACTOR: INTERLEUKIN-14
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/01101
; FILING DATE: FILED HEREWITH

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/005,156
; FILING DATE: 15-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: B0819/7000WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: HOMO SAPIENS
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 16..498
; PCT-US94-01101-2

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  Percent Similarity: 100.000  Percent Identity: 100.000

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403 ValSerCysCysPhe 407

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-127-499A-35

seq documentation_block:
; Sequence 35, Application US/08127499A
; Patent No. 5510264
; GENERAL INFORMATION:
; APPLICANT: VAN ALSTYNE, Diane
; APPLICANT: SHARMA, Lawrence Rajendra
; TITLE OF INVENTION: ANTIBODIES WHICH BIND MENINGITIS RELATED
; TITLE OF INVENTION: ANTIBODIES WHICH BIND MENINGITIS RELATED
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,499A
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 51916/102/INBI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
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; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; US-08-127-499A-35

alignment_scores:
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32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-482-847-35

seq documentation_block:
; Sequence 35, Application US/08482847
; Patent No. 5556757
; GENERAL INFORMATION:
; APPLICANT: VAN ALSTYNE, Diane
; APPLICANT: SHARMA, Lawrence Rajendra
; TITLE OF INVENTION: PEPTIDES REPRESENTING EPITOPIC SITES FOR
; TITLE OF INVENTION: BACTERIAL AND VIRAL MENINGITIS CAUSING AGENTS AND THEIR
; TITLE OF INVENTION: CNS CARRIER, ANTIBODIES THERETO, AND USES THEREOF
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,847
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/127,499
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 51916/104/INBI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; US-08-482-847-35

alignment_scores:
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Ratio: 5.333                                     Gaps: 0
Percent Similarity: 100.000   Percent Identity: 66.667

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32  ValThrCysCysTyrAsn 37

seq_name: /cgn2_5/ptodata/2/1aa/5A_COMB.pep:US-08-347-492B-8

seq_documentation_block:
; Sequence 8, Application US/08347492B
; Patent No. 5602008
; GENERAL INFORMATION:
; APPLICANT: Wilde, Craig G.
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Bandman, Olga
; APPLICANT: Seilhamer, Jeffrey J.
; TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
; TITLE OF INVENTION: PRODUCTION AND USES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/347,492B
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/303,241
; FILING DATE: 07-SEP-1994
; APPLICATION NUMBER: 08/320,011
; FILING DATE: 03-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Luther, Barbara J
; REGISTRATION NUMBER: 33,954
; REFERENCE/DOCKET NUMBER: PF-0024
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-853-0355
; TELEFAX: 415-852-0195
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
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; LIBRARY: GENBANK
; CLONE: GI 487124
; US-08-347-492B-8

alignment_scores:
Quality: 32.00                                     Length: 6
Ratio: 5.333                                       Gaps: 0
Percent Similarity: 100.000   Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-347-492B-8

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32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:US-08-480-449-19

seq_documentation_block:
; Sequence 19, Application US/08480449
; Patent No. 5688927
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-8402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,449
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/32779
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-1"
US-08-480-449-19

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Ratio: 5.333 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
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32 ValThrCysCysTyrAsn 37

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; Sequence 5, Application US/08479126B
; Patent No. 5866373
; GENERAL INFORMATION:

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Align seg 1/1 to: US-08-347-492B-8 from: 1 to: 99

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32 ValThrCysCysTyrAsn 37

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; Sequence 19, Application US/08480449
; Patent No. 5688927
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-8402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; APPLICATION NUMBER: US/08/480,449
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/32779
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; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
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; SEQUENCE CHARACTERISTICS:
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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
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; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-1"
US-08-480-449-19

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Quality: 32.00 Length: 6
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Percent Similarity: 100.000 Percent Identity: 66.667

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Align seg 1/1 to: US-08-480-449-19 from: 1 to: 99

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32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:US-08-479-126B-5

seq_documentation_block:
; Sequence 5, Application US/08479126B
; Patent No. 5866373
; GENERAL INFORMATION:

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APPLICANT: LI, HAODONG
APPLICANT: RUBEN, STEVEN M
APPLICANT: SUTTON, GRANGER G III
TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN MONOCYTE
TITLE OF INVENTION: CHEMOTACTIC PROTEIN-4 (AS AMENDED)
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,126B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,425
FILING DATE: 21-APR-1995
PRIOR APPLICATION DATA: PCT/US94/05384
APPLICATION NUMBER: 16-MAY-1994
FILING DATE: 16-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0340001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-479-126B-5

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Percent Similarity: 100.000 Percent Identity: 66.667

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32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:US-08-421-144A-5

seq_documentation_block:
Sequence 5, Application US/08421144A
Patent No. 5874211
GENERAL INFORMATION:

APPLICANT: BANDMAN, OLGA
APPLICANT: COLEMAN, ROGER
APPLICANT: STUART, SUSAN G.
TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto

STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/421,144A
FILING DATE: 13-APR-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33954
REFERENCE/DOCKET NUMBER: PF-0031 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-421-144A-5

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32 ValThrCysCysTyrAsn 37

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seq_documentation_block:

Sequence 5, Application US/08726830A
Patent No. 5880263
GENERAL INFORMATION:

APPLICANT: LI, HAODONG
APPLICANT: RUBEN, STEVEN M
APPLICANT: SUTTON, GRANGER G III
TITLE OF INVENTION: MONOCYTE CHEMOTACTIC PROTEIN-4
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934

COMPUTER READABLE FORM:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,830A
FILING DATE: 08-OCT-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/479,126
FILING DATE: 07-JUN-1995

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/424,425
; FILING DATE: 21-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05384
; FILING DATE: 16-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-726-830A-5

alignment_scores:
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  Ratio: 5.333      Gaps: 0
  Percent Similarity: 100.000      Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-726-830A-5      ..

Align seg 1/1 to: US-08-726-830A-5 from: 1 to: 99

19 GTCTCTGCTGTTTCAAC 2
32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/1aa/PCTUS9_COMB.ppt:PCT-US96-10087-5

seq_documentation_block:
; Sequence 5, Application PC/TUS9610087
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Monocyte Chemotactic Protein-4
; NUMBER OF SEQUENCES: 6
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10087
; FILING DATE: 07-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/479,126
; FILING DATE: 07-JUN-1995
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-10087-5

alignment_scores:
  Quality: 32.00      Length: 6
  Ratio: 5.333      Gaps: 0
  Percent Similarity: 100.000      Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x PCT-US96-10087-5      ..

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Align seg 1/1 to: PCT-US96-10087-5 from: 1 to: 99

19 GTCTCTGCTGTTTCAAC 2
32 ValThrCysCysTyrAsn 37

seq_name: /cgn2_6/ptodata/2/1aa/5A_COMB.ppt:US-08-330-163-12

seq_documentation_block:
; Sequence 12, Application US/08330163
; Patent No. 5656724
; GENERAL INFORMATION:
; APPLICANT: Daly, Thomas J.
; APPLICANT: LaRosa, Gregory J.
; TITLE OF INVENTION: Chemokine-Like Proteins and Methods of
; TITLE OF INVENTION: Use
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/330,163
; FILING DATE: 05-AUG-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 00231/080001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 78 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-330-163-12

alignment_scores:
  Quality: 32.00      Length: 6
  Ratio: 5.333      Gaps: 0
  Percent Similarity: 100.000      Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-330-163-12      ..

Align seg 1/1 to: US-08-330-163-12 from: 1 to: 78

19 GTCTCTGCTGTTTCAAC 2
32 ValThrCysCysTyrAsn 16

seq_name: /cgn2_6/ptodata/2/1aa/5B_COMB.ppt:US-08-482-111-12

seq_documentation_block:
; Sequence 12, Application US/08482111
; Patent No. 5789339
; GENERAL INFORMATION:
; APPLICANT: Daly, Thomas J.
; APPLICANT: LaRosa, Gregory J.
; TITLE OF INVENTION: Chemokine-Like Proteins and Methods of

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; TITLE OF INVENTION: Use
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.308
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482.111
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 00231/083001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 78 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-482-111-12

alignment_scores:
  Quality: 32.00 Length: 6
  Ratio: 5.333 Gaps: 0
  Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-482-111-12 ..
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19 GTCTCTTGCTGTTTCAAC 2
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11 ValThrCysCysTyrAsn 16

seq_name: /cgn2_6/ptodata/2/1aa/PCTUS9_COMB.pep:PCT-US95-00605-1

seq_documentation_block:
; Sequence 1, Application PC/TUS9500605
; GENERAL INFORMATION:
; APPLICANT: Lyle, Leon
; APPLICANT: Thomas-Miller, Beth
; TITLE OF INVENTION: THERAPEUTIC TREATMENT FOR INHIBITING
; TITLE OF INVENTION: VASCULAR RESTENOSIS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mallinckrodt Medical, Inc.
; STREET: 675 McDonnell Boulevard, P.O. Box 5840
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63134
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00605
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; FILING DATE: 13-JAN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/182,917
; FILING DATE: 14-JAN-1994
; APPLICATION NUMBER: US 07/965,678
; FILING DATE: 22-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Vacca, Rita D.
; REGISTRATION NUMBER: 33,624
; REFERENCE/DOCKET NUMBER: 0783.2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 314-895-7215
; TELEFAX: 314-895-2156
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 78 amino acids
; TYPE: amino acid
; TOPOLOGY: circular
; MOLECULE TYPE: Peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 5..22
; PCT-US95-00605-1

alignment_scores:
  Quality: 32.00 Length: 6
  Ratio: 5.333 Gaps: 0
  Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x PCT-US95-00605-1 ..
Align seg 1/1 to: PCT-US95-00605-1 from: 1 to: 78

19 GTCTCTTGCTGTTTCAAC 2
||||:|||||:||||
11 ValThrCysCysTyrAsn 16
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/cgiz_v/ptodata/2/paa/FCI059_COMB.pcp:FCI-US98-00613-92	-	34.00	100.34	54.44
/cqn2_6/ptodata/2/paa/US090_COMB.pcp:US-09-004-838-92	-	34.00	100.34	54.44

seq_name: /cqn2_6/ptodata/2/paa/US07_COMB pep:US-07-768-586-3

seq_name: /cgn2_6/ptodata/2/paa/us0/_COMB.pcp:US-0/-/68-586-3

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seq_documentation_block:
; Sequence 3, Application: US/07768586
; GENERAL INFORMATION:
; APPLICANT: Mirkov, Theodore E.
; APPLICANT: Fitzmaurice, Leona C.
; TITLE OF INVENTION: RECOMBINANT EXPRESSION SYSTEM BASED ON
; TITLE OF INVENTION: SATELLITE TOBACCO MOSAIC VIRUS

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GENERAL INFORMATION:
APPLICANT: Mirkov, Theodore E.

APPLICANT: Fitzmaurice, Leona C.

;
;
; TITLE OF INVENTION: RECOMBINANT EXPRESSION SYSTEM BASED ON

; TITLE OF INVENTION: SATELLITE TOBACCO MOSAIC VIRUS

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; NUMBER OF SEQUENCES: 11
;

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; CORRESPONDENCE ADDRESS:
; ADDRESS: George Washington University

ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 1880 Century park East Suite 500

STREET: 1880 Century Park East, Suite 300
CITY: Los Angeles

CITY: Los Angeles
STATE: California

COUNTRY: USA

ZIP: 90067

; ; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/768,586

FILING DATE: 19910919
CLASSIFICATION: 435

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CLASSIFICATION: 433
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD2164
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 159 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..159
US-07-768-586-3

alignment_scores:
Quality: 37.00 Length: 6
Ratio: 6.167 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 83.333

alignment_block:
US-09-056-153-2/rev x US-07-768-586-3 ..

Align seg 1/1 to: US-07-768-586-3 from: 1 to: 159

19 GTCTCTGCTGTTTCAAC 2
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154 lIeSerCysCysPheAsn 159

seq_name: /cgn2_6/ptodata/2/paa/PTUS9_COMB.pep:PCT-US94-08207A-40

seq_documentation_block:
; Sequence 40, Application PC/TUS9408207A
; GENERAL INFORMATION:
; APPLICANT: The UpJohn Company
; APPLICANT: FOR U.S. PURPOSES ONLY: Hoogewerf, Arlene J. and Ledbetter, Steven R
; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND
; TITLE OF INVENTION: ISOLATE ANTI-HEPARANASE COMPOUNDS

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seq_name: /cqn2_6/ptodata/2/paa/PCTUS9_COMB.pep:PCT-US94-08207A-40

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seq_documentation_block:
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; Sequence 40, Application PC/TUS9408207A

; GENERAL INFORMATION:

APPLICANT: The Upjohn Company

APPLICANT: FOR U.S. PURPOSES ONLY: Hoogewerf, Arlene J. and Ledbetter, Steven R

; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND
 ; TITLE OF INVENTION: ISOLATE ANTI-HEPARANASE COMPOUNDS

10 TITLE OF INVENTION: ISOLATE ANTI-HEPARANASE COMPOUNDS

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;
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Upjohn Company, Intellectual Property Law
; STREET: 301 Henrietta
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/08207A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jameson, William G.
; REGISTRATION NUMBER: 27,199
; REFERENCE/DOCKET NUMBER: 4731.1 CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/385-7561
; TELEFAX: 616/385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US94-08207A-40

alignment_scores:
    Quality: 34.00      Length: 6
    Ratio: 5.667       Gaps: 0
    Percent Similarity: 100.000    Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x PCT-US94-08207A-40  ..
Align seg 1/1 to: PCT-US94-08207A-40 from: 1 to: 72

19 GTCCTGTGCTGTTCAAC 2
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   7 IleThrCysCysPheAsn 12

seq_name: /cgn2_6/ptodata/2/paa/PCTUS9_COMB.ppt:US-08-136-117-40

seq_documentation_block:
; Sequence 40, Application US/08136117
; GENERAL INFORMATION:
; APPLICANT: Hoogewerf, Arlene J.
; APPLICANT: Ledbetter, Steven R.
; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND
; TITLE OF INVENTION: ISOLATE ANTI-HEPARANASE COMPOUNDS
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Upjohn Company, Intellectual Property Law
; STREET: 301 Henrietta
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/136,117
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Jameson, William G.
; REGISTRATION NUMBER: 27,199
; REFERENCE/DOCKET NUMBER: 4731.1 CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/385-7561
; TELEFAX: 616/385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; PCT-US94-08207A-40

;
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Upjohn Company, Intellectual Property Law
; STREET: 301 Henrietta
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/08207A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jameson, William G.
; REGISTRATION NUMBER: 27,199
; REFERENCE/DOCKET NUMBER: 4731.1 CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/385-7561
; TELEFAX: 616/385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; PCT-US94-08207A-40

alignment_scores:
    Quality: 34.00      Length: 6
    Ratio: 5.667       Gaps: 0
    Percent Similarity: 100.000    Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x PCT-US94-08207A-40  ..
Align seg 1/1 to: PCT-US94-08207A-40 from: 1 to: 72

19 GTCCTGTGCTGTTCAAC 2
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   7 IleThrCysCysPheAsn 12

seq_name: /cgn2_6/ptodata/2/paa/PCTUS9_COMB.ppt:US-08-136-117-40

seq_documentation_block:
; Sequence 40, Application PC/TUS9408207
; GENERAL INFORMATION:
; APPLICANT: Hoogewerf, Arlene J.
; APPLICANT: Ledbetter, Steven R.
; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND
; TITLE OF INVENTION: ISOLATE ANTI-HEPARANASE COMPOUNDS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Upjohn Company, Intellectual Property Law
; STREET: 301 Henrietta
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/08207A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jameson, William G.
; REGISTRATION NUMBER: 27,199
; REFERENCE/DOCKET NUMBER: 4731.1 CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/385-7561
; TELEFAX: 616/385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; PCT-US94-08207A-40
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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-136-117-40

alignment_scores:
  Quality: 34.00      Length: 6
  Ratio: 5.667       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-136-117-40
Align seg 1/1 to: US-08-136-117-40 from: 1 to: 72

19 GTCCTCTGCTGTTTCAAC 2
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7 IleThrCysCysPheAsn 12

seq_name: /cgn2_6/ptodata/2/paa/US084B_COMB.pep:US-08-470-323-6

seq_documentation_block:
; Sequence 6, Application US/08470323A
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/08/470,323A
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: PCT/GB94/02006
; EARLIER FILING DATE: 1994-09-14
; EARLIER APPLICATION NUMBER: GB 9318984.3
; EARLIER FILING DATE: 1993-09-14
; EARLIER APPLICATION NUMBER: GB 94086902.2
; EARLIER FILING DATE: 1994-04-29
; SEQ ID NO 6
; NUMBER OF SEQ ID NOS: 11
; LENGTH: 74
; TYPE: PRT
; ORGANISM: human
US-08-470-323-6

alignment_scores:
  Quality: 34.00      Length: 6
  Ratio: 5.667       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-470-323-6
Align seg 1/1 to: US-08-470-323-6 from: 1 to: 74

19 GTCCTCTGCTGTTTCAAC 2
   : : : : : : : : : :
7 IleThrCysCysPheAsn 12

seq_name: /cgn2_6/ptodata/2/paa/US086_COMB.pep:US-08-615-232A-6

seq_documentation_block:
; Sequence 6, Application US/08615232A
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
```

```
;
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/615,232A
; FILING DATE: 13-AUG-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9318984
; FILING DATE: 14-SEP-1993
; APPLICATION NUMBER: GB 9408602
; FILING DATE: 29-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 550-32
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-615-232A-6

alignment_scores:
  Quality: 34.00      Length: 6
  Ratio: 5.667       Gaps: 0
Percent Similarity: 100.000 Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-615-232A-6
Align seg 1/1 to: US-08-615-232A-6 from: 1 to: 74

19 GTCCTCTGCTGTTTCAAC 2
   : : : : : : : : : :
7 IleThrCysCysPheAsn 12

seq_name: /cgn2_6/ptodata/2/paa/US084B_COMB.pep:US-08-479-603-20

seq_documentation_block:
; Sequence 20, Application US/08479603
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-8402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,603
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;
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/32780
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
US-08-479-603-20

alignment_scores:
    Quality: 34.00      Length: 6
    Ratio: 5.667        Gaps: 0
    Percent Similarity: 100.000    Percent Identity: 66.667

alignment_block:
US-09-056-153-2/rev x US-08-479-603-20 ..
Align seg 1/1 to: US-08-479-603-20 from: 1 to: 76
19 GTCTCTTGTCTGTTTCAAC 2
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   9 IlethrCysPheAsn 14

seq_name: /cgn2_6/ptodata/2/paa/US084B_COMB.pap:US-08-479-620-20

seq_documentation_block:
; Sequence 20, Application US/08479620
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,620
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/479,620
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/32628
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
US-08-479-658-20

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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
US-08-479-620-20

alignment_scores:
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    Percent Similarity: 100.000    Percent Identity: 66.667

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seq_name: /cgn2_6/ptodata/2/paa/US085_COMB.pap:US-08-558-658-20

seq_documentation_block:
; Sequence 20, Application US/08558658
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/558,658
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/479,620
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/33009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
US-08-558-658-20
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  Ratio: 5.667        Gaps: 0
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seq_documentation_block:
; Sequence 20, Application US/08660542
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE
; TITLE OF INVENTION: ANALOGS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/660,542
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/558,658
; FILING DATE: 16-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/479,620
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/33318
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Hu MCP-2"
US-08-660-542-20
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  Ratio: 5.667        Gaps: 0
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      9 IleThrCysCysPheAsn 14

seq_name: /cgn2_6/ptodata/2/paa/US087_COMB.pep:US-08-716-188-3

seq_documentation_block:
; Sequence 3, Application US/08716188
; GENERAL INFORMATION:
; APPLICANT: KELLY, RODNEY W
; TITLE OF INVENTION: USE OF MCP-1 FOR INDUCING RIPENING OF
; TITLE OF INVENTION: THE CERVIX
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/716,188
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB95/00733
; FILING DATE: 31-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9406463.1
; FILING DATE: 31-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 117-219
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4091
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-716-188-3
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  Ratio: 5.667        Gaps: 0
  Percent Similarity: 100.000  Percent Identity: 66.667
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      9 IleThrCysCysPheAsn 14

seq_name: /cgn2_6/ptodata/2/paa/US089_COMB.pep:US-08-989-107-20
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: CITY: Chicago
: STATE: Illinois
: COUNTRY: United States of America
: ZIP: 60606-6402
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/067,447
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/939,107
: FILING DATE: 26-SEPT-1997
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/660,542
: FILING DATE: 7-JUN-1996
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/558,658
: FILING DATE: 16-NOV-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/479,620
: FILING DATE: 07-JUN-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Gass, David A.
: REGISTRATION NUMBER: 38,153
: REFERENCE/DOCKET NUMBER: 278666/34404
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 312/474-6300
: TELEFAX: 312/474-0448
: TELEX: 25-3856
: INFORMATION FOR SEQ ID NO: 20:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 76 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: FEATURE:
: NAME/KEY: misc.feature
: OTHER INFORMATION: "Hu MCP-2"
: US-09-067-447-20

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  Ratio: 5.667       Gaps: 0
  Percent Similarity: 100.000  Percent identity: 66.667

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19  IleThrCysCysPheAsn 14

seq_name: /cgn2_6/ptodata/2/paa/US090_COMB pep:US-09-067-447-20

seq_documentation_block:
; Sequence 20, Application US/09067447A
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; APPLICANT: Raport, Carol J.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE (MDC), AND
; TITLE OF INVENTION: ANALOGS AND ASSAY TO IDENTIFY MODULATORS
; TITLE OF INVENTION: ANALOGS AND THERAPEUTIC USES FOR SAME
; FILE REFERENCE: 27866/34404
; CURRENT APPLICATION NUMBER: US/09/067,447A

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